

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)

2. (previously presented) A board mounted electronic device, comprising:

a board (2) supporting electronic components and at least one conductive track (7a, 7b) connected to said electronic components to form an electric circuit (3); and

at least one terminal (4a, 4b) for electrically connecting said circuit (3) and a respective insulated electric wire (5a, 5b) comprising an inner conductor (8a, 8b) and an insulating sheath (9a, 9b) coated and/or applied to the inner conductor (8a, 8b);

wherein

said terminal (4a, 4b) comprises a metal blade (10a, 10b) which is an integral extension of said track (7a, 7b) of said circuit (3), bent into an L shape outwards of the plane of the board (2), and carried integrally by the board (2);

said blade (10a, 10b) defines means (11a, 11b) for mechanically retaining and electrically connecting said electric wire (5a, 5b) which act on an end portion of said inner conductor (8a, 8b);

said blade (10a, 10b) comprises a respective slot (11a, 11b) having cutting edges (13', 13", 13', 14") for cutting said insulating sheath (9a, 9b);

the slot (11a, 11b) comprises a respective semicircular seat (12a, 12b) of a diameter substantially equal to that of said inner conductor (8a, 8b) of the electric wire (5a, 5b) and smaller than the diameter of the insulating sheath (9a, 9b); and

said slot (11a, 11b) receives one end of said electric wire (5a, 5b) to cut said insulating

sheath (9a, 9b) to such a depth as to establish contact between said blade (10a, 10b) and said inner conductor (8a, 8b) of the electric wire (5a, 5b), while at the same time forming a joint to mechanically retain the electric wire (5a, 5b) inside said seat (12a, 12b).

3. (previously presented) A device as claimed in Claim 2, wherein said slot (11a, 11b) is substantially in the form of a V shaped groove for assisting insertion of said end of said electric wire (5a, 5b) inside said seat (12a, 12b), which is formed at the vertex of the V defining said groove.

4. (previously presented) A device as claimed in Claim 3, wherein said circuit (3) comprises a number of said tracks (7a, 7b), each defined by a semicut metal strip applied to said board (2).

5. **(currently amended)** A device as claimed in Claim 4, wherein said board (2) is molded from synthetic plastic resin and said ~~strips~~ strip is co-molded with the board (2).

6. **(currently amended)** A board mounted electronic device, comprising:
electronic components;
a board supporting said electronic components and having at least one conductive track connected to said electronic components to form an electric circuit; and
at least one terminal for electrically connecting said circuit with an insulated electric wire comprising an inner conductor and an outer insulating sheath;
wherein
said terminal comprises a metal blade for mechanically retaining and electrically connecting said electric wire with said circuit, said metal blade being an integral extension of said track of said circuit, being bent into an L shape outwards of the plane of the board, and being carried integrally by the board;

said blade has a V-shaped slot that comprises two straight cutting edges for cutting said insulating sheath, said cutting edges being slanted with respect to each other, converging toward the vertex of the V defining said groove, and ending at a seat formed at said vertex; and

said seat describes a circular curve extending for more than 180°, connecting adjacent ends of said cutting edges, and having a diameter substantially equal to that of said inner conductor of the electric wire and smaller than the diameter of the insulating sheath.

7. (previously presented) The device of claim 6, wherein a distance between said adjacent ends of said cutting edges is smaller than the diameter of the circular curve.

8. **(currently amended)** In combination, a board mounted electronic device and an insulated electric wire;

said insulated electric wire comprising an inner conductor and an outer insulating sheath;

said board mounted electronic device comprising:

electronic components;

a board supporting said electronic components and having at least one conductive track connected to said electronic components to form an electric circuit; and

at least one terminal electrically connecting said circuit with said insulated electric wire;

wherein

said terminal comprises a metal blade mechanically retaining and electrically connecting said electric wire with said circuit, said metal blade being an integral extension of said track of said circuit, being bent into an L shape outwards of the plane of the board, and being carried integrally by the board;

said blade has a V-shaped slot that comprises two straight cutting edges for cutting said insulating sheath, said cutting edges being slanted with respect to each other, converging toward the vertex of the V defining said groove, and ending at a seat formed at said vertex;

said seat describes a circular curve extending for more than 180°, connecting adjacent ends

of said cutting edges, and having a diameter substantially equal to that of said inner conductor of the electric wire and smaller than the diameter of the insulating sheath; and

said seat receives one end of said electric wire with said insulating sheath being cut by said cutting edges to such a depth as to establish contact between said blade and said inner conductor of the electric wire, while at the same time forming a joint to mechanically retain the electric wire inside said seat.

9. (previously presented) The combination of claim 8, wherein a distance between said adjacent ends of said cutting edges is smaller than the diameter of the circular curve.

10. (previously presented) The combination of claim 8, wherein a distance between said adjacent ends of said cutting edges is smaller than the diameter of the inner conductor.

11. (previously presented) The combination of claim 8, wherein said inner conductor is partially cut by said cutting edges at said end of said insulated wire.

12. (new) The device as claimed in claim 6, wherein said track is defined by a metal strip co-molded with the board.

13. (new) The combination as claimed in claim 8, wherein said track is defined by a metal strip co-molded with the board.